Is Your VPN as Mobile as You are?

You've just arrived at the airport and have an hour to wait until boarding the plane. There's a hot spot located at your terminal. Unfortunately, your IT department will not allow use of public Wi-Fi because of the insecure nature of the network.

It's a day of corporate training seminars, moving from conference room to conference room and building to building. Each time you move to a different area of the corporate campus you have to reconnect to the network and restart your applications.

You take the train from Washington, DC to Boston for a noon meeting. You need to work on last minute details for the meeting, so you connect to the corporate network with 1XRTT. The signal goes in and out as the train speeds north, each time losing your session and connection.

The Mobile World

With the advent of wireless technologies and the many benefits they bring, professionals of all industries are becoming more and more mobile and situations like the above are becoming more commonplace. However, with every new technology there are new problems. For wireless networks these problems include: end-to-end security, integration of different network types, standards compliance, user simplicity and management. Ecutel's Mobile VPN solution, Viatores, makes deploying and using wireless networks seamless, secure and simple.

Viatores overcomes the problems of a wireless world by supporting three main concepts: optimized mobility, seamless security and simplified connectivity. These three concepts create a solution that empowers users to achieve true mobility without compromising security.

How does it work?

Viatores combines two powerful industry standards, Mobile IP and IPSec to bring security to mobility and mobility to security. Essentially, **Viatores** combines the security benefits of a legacy VPN with the mobility benefits of a mobile phone.

Optimized Mobility

As the user roams through different networks (wired or wireless, public or private), end-to-end security is maintained. **Viatores** automatically chooses the best connection available. So, if the user is in an area where there is a public hot spot and a GPRS connection; **Viatores** will choose the hot spot for its superior bandwidth. As a user, the move from GPRS to Wi-Fi is seamless and transparent.

Seamless Security

While there is a great deal of interest in mobile and wireless solutions, security is cited as a critical issue hindering the adoption of mobile devices by companies, according to IDC*.

Viatores overcomes the security problems of wireless networks by making security seamless. Corporate network administrators decide what level of security is required and the security on user devices is enabled and disabled accordingly as the user roams from one network to another - all transparent to the user.

Simplified Connectivity

Viatores was designed specifically to be easy to use for the non-technical worker. With its single sign-on capability, users log on to their device once, and can go about their day. As they roam throughout networks there is no need to re-login or re-authenticate. Eliminating interruptions and user frustration, **Viatores** hides the complexity of multiple networks from the user.

What's in it for me?

Increased productivity and time savings

It's well-published that there are many benefits to a mobile workforce. The most quantifiable benefit is increased worker productivity and time savings. According to a survey by NOP World Technology*, on average, end-users said that Wi-Fi allows them to be connected 1.75 more hours per day than wired networks. This translates into approximately 70 minutes of increased productivity. Workers can access corporate data and communicate from anywhere (i.e. during a meeting or while on a lunch break). Information can be accessed directly and instantaneously.

Increased efficiency and competitive edge

Wireless technologies increase a mobile professional's efficiency. Workers can now communicate with peers and customers while in the field or on the road, giving them a competitive edge and impacting business processes positively, by creating new processes or improving old ones.

*International Engineering Consortium: Seamless Mobility: The Marriage of 3G and Wi-Fi (June 2003)

Reduced support costs

Viatores minimizes the IT support costs related to mobile computing. With **Viatores**' simplified connectivity and automated security, users are independent of the switch in network topologies or the need to turn security on/off. Ultimately, decreasing help desk calls and increasing user satisfaction.

The Mobile Future

The ultimate goal is to enable workers with a seamless, secure and simple mobile computing experience - anytime, anywhere access to corporate resources without thinking about the underlying technology, security or connection persistence. **Viatores** is this future.

Connect with Ecutel Today

To learn more about **Viatores** visit Ecutel on the Web at www.ecutel.com. To connect with a sales representative, call us at 571-203-8300. Or you can email us at info@ecutel.com.

Product Specs

Security Features
- Network Data Confidentiality and Integrity
  - Pre-shared secrets
  - X.509 V3 certificates - RSA & DSA digital signature
  - Encryption: AES, DES & 3DES
- User Authentication
  - Microsoft® Active Directory Service
  - LDAP
  - RADIUS
  - Viatores local database
  - RSA SecurID®
  - Smartcard

Mobility Features
- Seamless Roaming
  - LAN/WLAN
  - WLAN subnet/WLAN subnet
  - WWAN/Hot spot
  - Private visiting networks
- Bi-directional communication
- Compression
- Mobile IP Compliance

User Interface Simplicity
- Automatic network device selection
- Single sign-on
- Graphical user interface with security control
- Split tunneling (client and manager driven)
- Adapter Plug & Play

Scalability
- Hardware-based acceleration option
- Fail-over capability

Management
- Flexible central management of security and mobility policies
- Integration with Simple Network Management Protocol
- (SNMP) based systems such as HP OpenView
- Easy policy distribution to clients
- Communication device prioritization
- Advanced client policy management
- Automated client deployment
- Multiple authentication server support

Firewall Traversal
- IP-in-IP, UDP and HTTP encapsulation
- Network Address Translation (NAT) traversal
- Packet filtering traversal based on source-destination IP addresses
- Public and private network space traversal

Network Interoperability
- Private Networks: LAN (802.3), WLAN (802.11), VLAN (Layer 3) and Bluetooth
- Wireless Public Networks: Wi-Fi Zones (hot spots), GPRS, 1XRTT, CDMA, CDPD, NTT DoCoMo, PHS, GSM-Data, EDGE, UMTS and HSCSD
- Wired Public Networks: POTS, ISDN, DSL and Cable

Supported Platforms
- Viatores Server: Windows Server 2003, Windows 2000, and Linux
- Viatores Client: Windows 98, ME, 2000, XP and Pocket PC 2003

ECUTEL®